

## PATENT COOPERATION TREATY

PCT

## NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Commissioner  
 US Department of Commerce  
 United States Patent and Trademark  
 Office, PCT  
 2011 South Clark Place Room  
 CP2/5C24  
 Arlington, VA 22202  
 ETATS-UNIS D'AMERIQUE  
 in its capacity as elected Office

<b>Date of mailing (day/month/year)</b> 20 March 2001 (20.03.01)	
<b>International application No.</b> PCT/DK00/00344	<b>Applicant's or agent's file reference</b> P 99 025 WO
<b>International filing date (day/month/year)</b> 26 June 2000 (26.06.00)	<b>Priority date (day/month/year)</b> 14 July 1999 (14.07.99)
<b>Applicant</b> JENSEN, Timothy, Jacob	

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:  
05 February 2001 (05.02.01)

☐ in a notice effecting later election filed with the International Bureau on:

2. The election ☒ was  
☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	Authorized officer Claudio Borton Telephone No.: (41-22) 338.83.38
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# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>P 99 025 WO</b>	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. <b>PCT/DK 00/ 00344</b>	International filing date (day/month/year) <b>26/06/2000</b>	(Earliest) Priority Date (day/month/year) <b>14/07/1999</b>
Applicant <b>MULTI-TEK A/S et al.</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 2 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

### 1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.



the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing :



contained in the international application in written form.



filed together with the international application in computer readable form.



furnished subsequently to this Authority in written form.



furnished subsequently to this Authority in computer readable form.



the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.



the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ Certain claims were found unsearchable (See Box I).

3. ☐ Unity of invention is lacking (see Box II).

### 4. With regard to the title,



the text is approved as submitted by the applicant.



the text has been established by this Authority to read as follows:

### 5. With regard to the abstract,



the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.



as suggested by the applicant.



because the applicant failed to suggest a figure.



because this figure better characterizes the invention.

1



None of the figures.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/DK 00/00344

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: E06B 5/00, E06B 7/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: E06B, E04D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3516197 A (R.J. LYONS), 23 June 1970 (23.06.70), column 3, line 7 - line 15, figure 1 --	1
X	EP 0287362 A1 (V KANN RASMUSSEN INDUSRI A/S), 19 October 1988 (19.10.88), page 4, line 11 - line 17, figures 3,4 --	1
A	SE 406484 B (S HÖGEDAL), 12 February 1979 (12.02.79), figure 1 -- -----	1-11



Further documents are listed in the continuation of Box C.



See patent family annex.

\* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

5 October 2000

Date of mailing of the international search report

02.11.2000

Name and mailing address of the International Searching Authority  
European Patent Office P.B. 5818 Patentlaan 2  
NL-2280 HV Rijswijk  
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Vilho Juvonen / MRo  
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SA 288957

# INTERNATIONAL SEARCH REPORT

Information on patent family members

01/08/00

International application No.

PCT/DK 00/00344

Patent document cited in search report			Publication date	Patent family member(s)		Publication date
US	3516197	A	23/06/70	GB	1280921 A	12/07/72
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EP	0287362	A1	19/10/88	AT	77435 T	15/07/92
				DE	3872030 A,T	23/07/92
				DK	157820 B,C	19/02/90
				DK	197587 A	16/10/88
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SE	406484	B	12/02/79	SE	7606404 A	09/12/77
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REC'D 22 OCT 2001

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## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

14



Applicant's or agent's file reference P 99 025 WO CEL/SUS	<b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/DK00/00344	International filing date (day/month/year) 26/06/2000	Priority date (day/month/year) 14/07/1999
International Patent Classification (IPC) or national classification and IPC E06B5/00		
Applicant MULTI-TEK A/S et al.		

- This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
- This REPORT consists of a total of 5 sheets, including this cover sheet.
  - ☒ This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 2 sheets.

- This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☒ Certain observations on the international application

Date of submission of the demand  05/02/2001	Date of completion of this report  18.10.2001
Name and mailing address of the international preliminary examining authority:   European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized officer  Kofoed, P  Telephone No. +49 89 2399 2927  

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/DK00/00344

## I. Basis of the report

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)*):

**Description, pages:**

1-7 as originally filed

**Claims, No.:**

1-12 as received on 10/09/2001 with letter of 10/09/2001

**Drawings, sheets:**

1/4-4/4 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- ☐ the description, pages:
- ☐ the claims, Nos.:

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/DK00/00344

☐ the drawings, sheets:

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

*(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)*

6. Additional observations, if necessary:

## V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

### 1. Statement

Novelty (N)	Yes:	Claims	1-12
	No:	Claims	
Inventive step (IS)	Yes:	Claims	1-12
	No:	Claims	
Industrial applicability (IA)	Yes:	Claims	1-12
	No:	Claims	

2. Citations and explanations  
**see separate sheet**

## VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:  
**see separate sheet**

**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT - SEPARATE SHEET**

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International application No. PCT/DK00/00344

**Re Item V**

A reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1 Reference is made to the following documents:

D1: SE-B-406 484

D2: EP-A-0 287 362

2 The invention according to claim 1 relates to "An openable screen element for insertion in an opening of a wall, particularly a door or a window, comprising at least one screen element side-hinged to a frame structure, said screen element being pivotally mounted over a hinge axis in the frame structure for opening and closing in a direction away from the opening". In general buildings feature a wide variety of openable doors and windows, which have in common that they show a plane screening of the opening.

3 The subject-matter of claim 1 is new and also inventive for the following reasons (Articles 33(2)&(3) PCT):

The problem can be seen in increasing the communicative effect of and integrate it in the door.

The solution according to claim 1 is essentially given by a sharp bend, whereby two mutually angled, planar sectional elements placed in different planes are created.

None of the documents cited in the search report indicate the above mentioned solution, nor give hints which in combination could lead thereto. Document D2 was not found of any relevance, since the two single screens are not angled, therefore being plane. Further, the shielding device of D1 is horizontally mounted and serves another purpose, namely that of snow gliding off.

4 The industrial applicability is also given (Article 33(4) PCT).



**INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT - SEPARATE SHEET**

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International application No. PCT/DK00/00344

- 5 Dependent claims 2-12 concern advantageous further developments of the subject-matter according to claim 1 and fulfil therefore as well the requirements of Article 33 PCT as regards novelty, inventive step and industrial applicability.

**Re Item VIII**

Certain observations on the international application

- 6 The features of the claims are not provided with reference signs placed in parentheses (Rule 6.2(b) PCT).
- 7 The description is not in conformity with the claims as required by Rule 5.1(a)(iii) PCT.
- 8 The wording "wherein" in the dependent claims 2-12 should be replaced by the wording "characterized in" (Article 6 PCT).
- 9 The word "openable" is missing before the word "screen" in the claims 10-12 (Article 6 PCT)
- 10 A typing error appears in line 2 of claim 12. The word "planer" should be replaced by the word "planar" (Article 6 PCT).

Amended Patent Claims

1. An openable screen element for insertion in an opening of a wall, particularly a door or a window, comprising at least one screen element side-hinged to a frame structure, said screen element being pivotally mounted over a hinge axis in the frame structure for opening and closing in a direction away from the opening,  
5 characterised by  
the screen element comprising a first and second planar sectional element, preferably rectangular in shape, said elements being mutually angled and arranged in different  
10 planes with an intersection line essentially parallel with the hinge axis.
2. A openable screen element according to claim 1, wherein the two planar sectional elements are placed in two planes with a mutual angle of 10° to 20°, preferably around 15°.
- 15 3. An openable screen element according to claim 1 or 2, wherein the screen element is provided with a rebate along at least the side and top ends, said rebate having a complimentary cross section shape in relation to the cross section of the frame structure.
- 20 4. An openable screen element according to claims 1 to 3, wherein the two planar sectional elements have two planes that are both different from the plane of the wall opening.
- 25 5. An openable screen element according to claims 1 to 3, wherein the first planar sectional element have a plane parallel or coincident with the wall plane and the second planar sectional element differing therefrom.
- 30 6. An openable screen element according to any of the preceding claims, wherein the element comprises two screen elements side-hinged at each side of the frame structure.

7. An openable screen element according to claim 6, wherein the two screen elements have the same opening direction.
8. An openable screen element according to claim 6, wherein the two screen elements have opposite opening directions.
9. An openable screen element according to any of the preceding claims, wherein lighting means are arranged in connection with the screen element and/or the frame structure with optional sensor means for activating the lighting means.
10. A screen element according to any of the preceding claims, wherein the screen element is a fire door.
11. A screen element according to claim 10, wherein the screen element of the door has a space between the two outer surfaces wherein automatic door closing means are arranged in connection with the side hinge means.
12. A screen element according to any of the preceding claims, wherein said first planar sectional element being wider than the second planar sectional element which is provided with locking means.